

MODIFICATION OF EXISTING SUPPORTS:

1. Secure the Hinge A Pipe Beams against lateral and longitudinal movement.
2. Activate three jacks and raise Transition Structure by 25 mm.
3. Switch out and reconfigure the jack and shim stack at the fourth location. Activate lock rings on the Jack when re-configuring the support.
4. Lower the box girder back on the shim stacks.
5. Raise the fourth Jack and lower one of the other three (not diagonal).
6. Repeat Steps (2) to (5) at the remaining locations. Do not re-configure a support diagonal from the previously completed.
7. The OBG (location Northing, Easting and Elevation) shall be surveyed at each jacking step and recorded.
8. The Jack loads shall be recorded at each jacking step.

Lowering Procedure:

1. Jack the Transition Structure up by 25 mm clear of the shim packs, using the four jacks, pressurized equally; note the pressure at which each Jack "lifts-off" the corresponding shim pack. Record the "lift-off" pressure in the jacks.
2. Remove one 100 mm support pan at each support.
3. Lower the Transition Structure very slowly, avoiding any impact, and set down onto supports. Resurvey the Transition Structure (at the locations indicated on "Skyway OBG Lowering Near Hinge A No.6" sheet) to determine elevations, longitudinal and cross slopes.
4. Compress jacks and remove one 100 mm Jack pan at each Jack.
5. Repeat Steps 1 thru 4 until Transition Structure is at PGL.



DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	86054	1204

REGISTERED ENGINEER - CIVIL

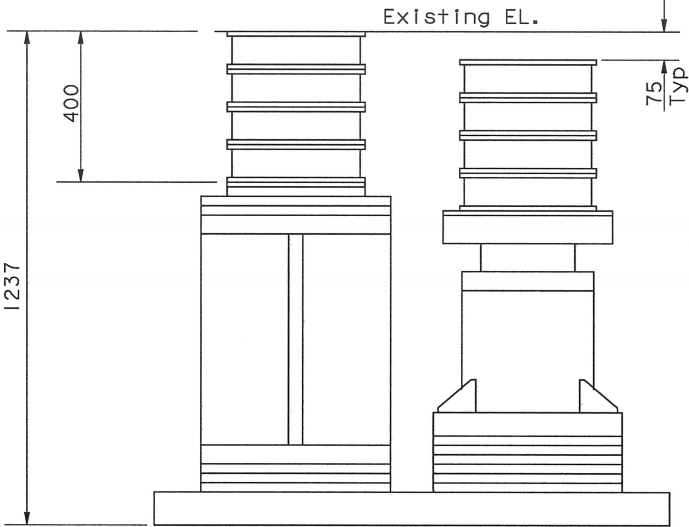
06-19-09

PLANS APPROVAL DATE

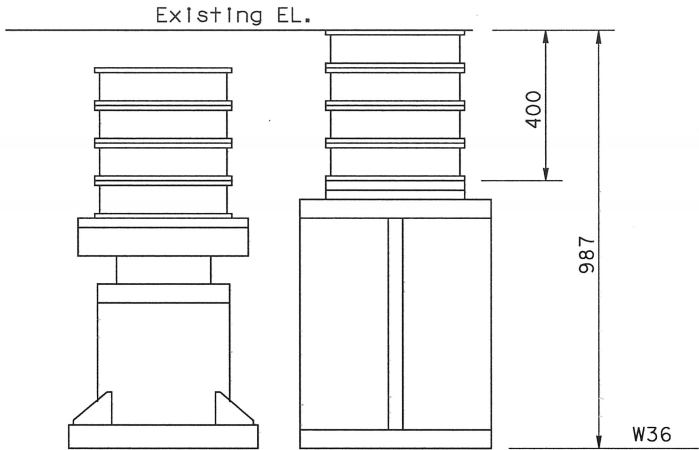
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T.Y. LIN / MOFFATT & NICHOL  
825 BATTERY STREET  
SAN FRANCISCO, CA 94111

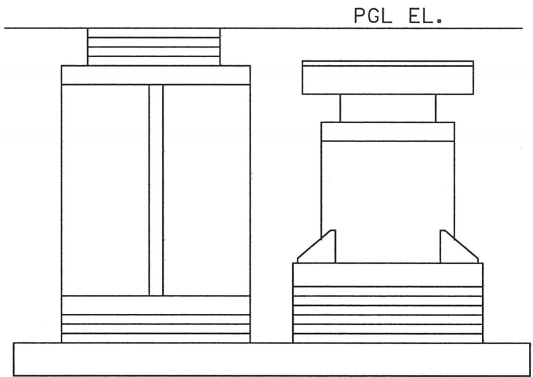
Caltrans now has a web site! To get to the web site, go to: <http://www.dot.ca.gov>



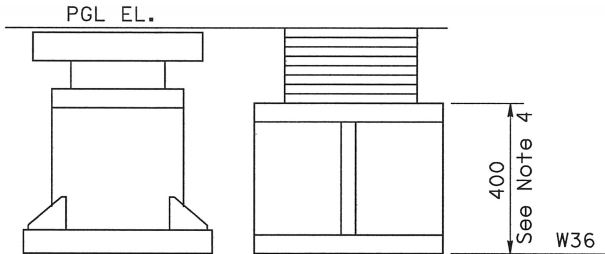
EB NE



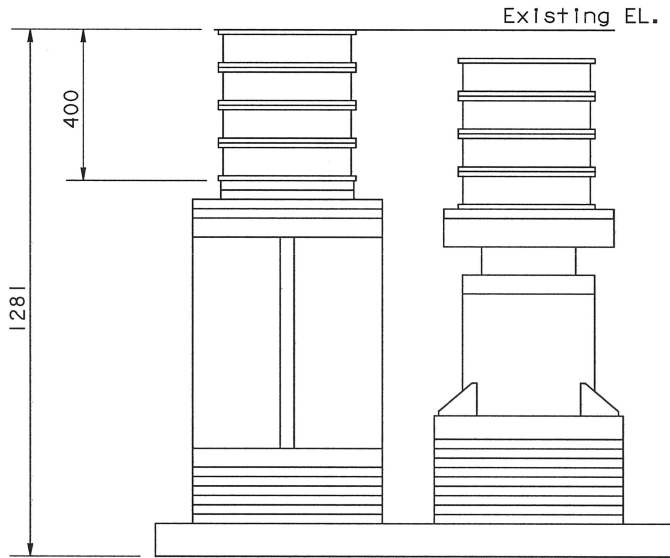
EB SE



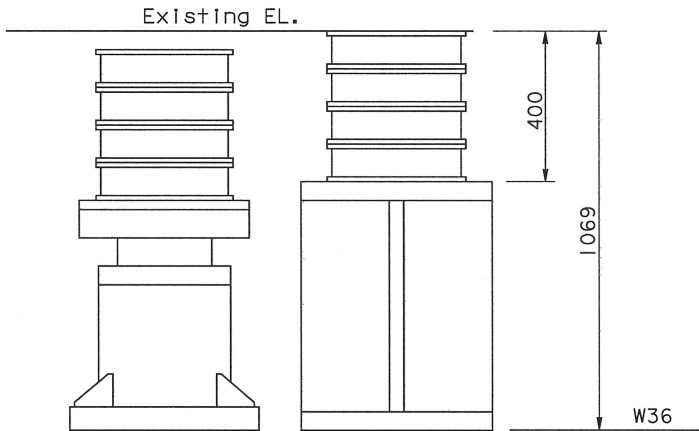
EB NE



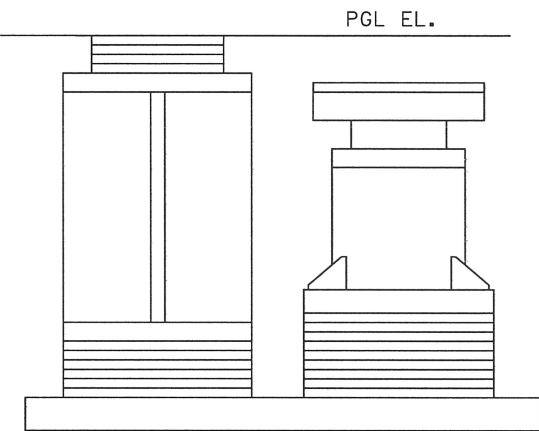
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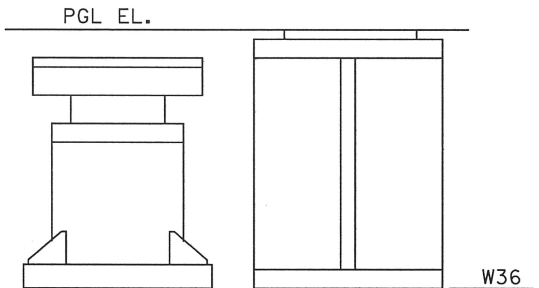
EB NW



EB SW



EB NW



EB SW

EASTBOUND  
BEFORE LOWERING CONDITION (Looking East)  
1:10

EASTBOUND  
AFTER LOWERING CONDITION (Looking East)  
1:10

NOTES:

1. All dimensions are approximate and shall be verified in the field.
2. To the extent possible, remove all equipment on the span at the time of the jacking operation, including trucks or other vehicles, construction materials, containers, etc. Note the presence or absence of railings, bike path, barriers, wearing surface, utilities, etc. Note the position of the secured pipe beams. Provide the Engineer with the location and magnitude of any such loads that cannot be removed.
3. The survey and jacking shall be completed before dawn, when structures are at uniform ambient temperature. Note the ambient and gradient temperatures in the Transition Structures when the lowering operations are performed. Note the wind speed.
4. An existing beam may be cut and re-welded to become a 400 mm beam. Alternatively, an existing W16 beam may be used.

CONTRACT CHANGE ORDER NO. \_\_\_\_\_  
SHEET \_\_\_\_ OF \_\_\_\_

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

R. Valizadeh/V. Toan/Y. L. /W. L. /F. C.  
DESIGN OVERSIGHT

SIGN OFF DATE 06/19/09

Rev. Date: 5-18-98

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
06/19/09	SKYWAY OBG LOWERING NEAR HINGE A	JAD	AA	106	

DESIGN	BY J. Dennis	CHECKED A. Akinsanya
DETAILS	BY J. Dennis	CHECKED A. Akinsanya
QUANTITIES	BY J. Duxbury	CHECKED A. Akinsanya

PREPARED FOR THE  
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

ALL DIMENSIONS ARE IN  
MILLIMETERS UNLESS OTHERWISE SHOWN

B. Maroney  
PROJECT ENGINEER

BRIDGE NO.  
34-0006L/R  
KILOMETER POST  
13.2/13.9

SAN FRANCISCO OAKLAND BAY BRIDGE  
EAST SPAN SEISMIC SAFETY PROJECT  
SELF-ANCHORED SUSPENSION BRIDGE  
(SUPERSTRUCTURE & TOWER)  
SKYWAY OBG LOWERING NEAR HINGE A NO. 4

ORIGINAL SCALE IN MILLIMETERS  
FOR REDUCED PLANS

CU 04  
EA 0120F1

DISREGARD PRINTS BEARING  
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)  
06/19/09  
SHEET 44354 OF

FILE => I:\bb\04-012001\sas\contract plans and cco\cco\cco\*106\3-original 06-19-09\dgn\cco106shear4.dgn

100 % P S & E  
TIME PLOTTED => 11:00:08  
USERNAME => alltrans\DATE PLOTTED => 19 JUN 2009